

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
612/733-1110  
Duns No.: 00-617-3082

Industrial Hygiene

FEB 15 1990

06-98  
6374

MATERIAL SAFETY  
DATA SHEET

**3M**

DIVISION: ENGINEERING SYSTEM DIVISION  
TRADE NAME:  
3M BRAND TYPE 852 DEVELOPER PREMIX  
3M I.D. NUMBER: GB-2000-4173-8 78-6969-5173-6

ISSUED: DECEMBER 19, 1989  
SUPERSEDES: DECEMBER 15, 1989  
DOCUMENT: 10-3575-7

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
IRON PARTICLES	7439-89-6	75.0 - 90.0	NONE	NONE	NONE	NONE
STYRENE RESIN	9003-53-6	10.0 - 25.0	NONE	NONE	NONE	NONE
CARBON BLACK	1333-86-4	0.5 - 2.0	3.5	mg/m3	TWA	ACGIH
SOLVENT BLACK 7	8005-02-5	< 0.1	NONE	NONE	NONE	NONE
SOLVENT BLUE 5	1325-86-6	< 0.1	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... N/A  
VAPOR PRESSURE:..... N/A  
VAPOR DENSITY: ..... N/A  
EVAPORATION RATE:..... N/A  
SOLUBILITY IN WATER: ..... Insoluble  
SP. GRAVITY:..... N/D  
PERCENT VOLATILE: ..... None  
VOLATILE ORGANICS: ..... N/D  
pH: ..... N/A  
VISCOSITY: ..... N/A  
APPEARANCE AND ODOR: Fine Black Granular Powder.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL: ..... N/A  
FLAMMABLE LIMITS - UEL: ..... N/A  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Water, CO2, Foam  
SPECIAL FIRE FIGHTING PROCEDURES:  
None.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None.  
NFPA-HAZARD-CODES: HEALTH 1 FIRE 1 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
None.  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
Styrene Monomer, CO, CO2

Abbreviations: N/D - Not Determined N/A - Not Applicable

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

Observe precautionary information from other sections. Vacuum or sweep up spilled material.

**RECOMMENDED DISPOSAL:**

Dispose of as dry scrap in accordance with state and local regulations.

**ENVIRONMENTAL DATA:**

Not determined.

**SARA HAZARD CLASS:**

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

In case of eye contact, flush eyes with plenty of water and contact a physician.

**SKIN CONTACT:**

N/A

**INHALATION:**

If respiratory irritation or other symptoms occur, move to fresh air.

**IF SWALLOWED:**

N/A

**OTHER FIRST AID:**

NONE

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**7. PRECAUTIONARY INFORMATION**

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Avoid eye contact and prolonged or repeated breathing of dust.  
Keep out of reach of children.  
Store in a cool, dry place.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	I----- EXPOSURE LIMITS -----I			
	VALUE	UNIT	TYPE	AUTH
CARBON BLACK	3.5	mg/m3	TWA	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- OSHA: Occupational Safety and Health Administration

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**8. HEALTH HAZARD DATA**

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EYE CONTACT: Dust may cause slight eye irritation.

SKIN CONTACT: No adverse health effects are expected.

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**8. HEALTH HAZARD DATA**

**(continued)**

INHALATION: Dust may cause slight upper respiratory system irritation.

INGESTION: No adverse health effects are expected.

ADDITIONAL EXPOSURE LIMITS: Carbon Black 3.5 mg/m<sup>3</sup> TWA (OSHA)

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Abbreviations: N/D - Not Determined N/A - Not Applicable

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.